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FILE COVERS 1907 - 7 Aug 2003 VOL 139 ISS 6
FILE LAST UPDATED: 6 Aug 2003 (20030806/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> macrocyclic
 18359 MACROCYCLIC
 84 MACROCYCLICS
L11 18390 MACROCYCLIC
 (MACROCYCLIC OR MACROCYCLICS)

=> serine()protease()inhibitor
 90472 SERINE
 1452 SERINES
 91032 SERINE
 (SERINE OR SERINES)
 76425 PROTEASE
 28810 PROTEASES
 89502 PROTEASE
 (PROTEASE OR PROTEASES)
 418585 INHIBITOR
 441774 INHIBITORS
 679145 INHIBITOR
 (INHIBITOR OR INHIBITORS)
L12 2794 SERINE(W) PROTEASE(W) INHIBITOR

=> hepatitis()C()virus
 39020 HEPATITIS
 3061941 C
 285727 VIRUS
 61717 VIRUSES
 296084 VIRUS
 (VIRUS OR VIRUSES)
L13 8183 HEPATITIS(W) C(W) VIRUS

=> 11 and 12 and 13
 18359 MACROCYCLIC
 84 MACROCYCLICS
 18390 MACROCYCLIC

07/08/2003 16:25 Print selected from Online session

(MACROCYCLIC OR MACROCYCLICS)

0 COUMPOUNDS
0 MACROCYCLIC (W) COUMPOUNDS

18359 MACROCYCLIC
84 MACROCYCLICS

18390 MACROCYCLIC

(MACROCYCLIC OR MACROCYCLICS)

753760 COMPOUNDS

1500776 COMPDS

1895912 COMPOUNDS

(COMPOUNDS OR COMPDS)

5256 MACROCYCLIC (W) COMPOUNDS

718326 13

L14 0 L1 AND L2 AND 13

=> 12 and 13

18359 MACROCYCLIC
84 MACROCYCLICS

18390 MACROCYCLIC

(MACROCYCLIC OR MACROCYCLICS)

753760 COMPOUNDS

1500776 COMPDS

1895912 COMPOUNDS

(COMPOUNDS OR COMPDS)

5256 MACROCYCLIC (W) COMPOUNDS

2 HEPETITIS

3061941 C

1 HEPETITIS (W) C

L15 0 L2 AND L3

=> 111 and 112 and 113

L16 2 L11 AND L12 AND L13

=> d all 1-2

L16 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:798207 CAPLUS

DN 135:344735

TI Preparation of macrocyclic NS3-serine protease

inhibitors of hepatitis C virus

comprising alkyl and aryl alanine p2 moieties

IN Venkatraman, Srikanth; Chen, Kevin X.; Arasappan, Ashok; Njoroge, F. George; Girijavallabhan, Viyyoor M.; Chan, Tin-Yau; McKittrick, Brian A.; Prongay, Andrew J.; Madison, Vincent S.

PA Schering Corporation, USA

SO PCT Int. Appl., 218 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07D273-00

CC 34-3 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 1, 7, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001081325	A2	20011101	WO 2001-US12530	20010417
	WO 2001081325	A3	20020801		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID,
 IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG,
 MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ,
 TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002016294 A1 20020207 US 2001-836636 20010417

BR 2001010104 A 20030107 BR 2001-10104 20010417

EP 1274724 A2 20030115 EP 2001-927142 20010417

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

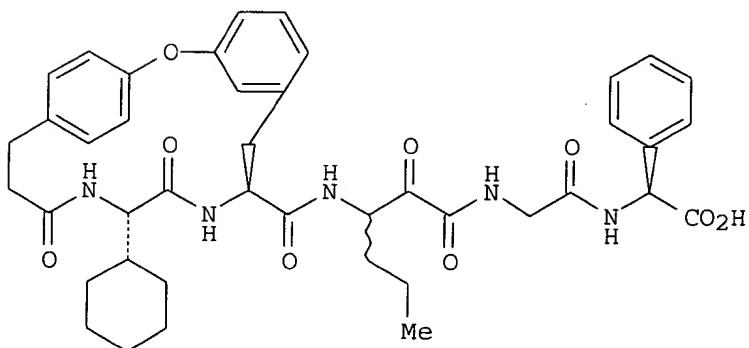
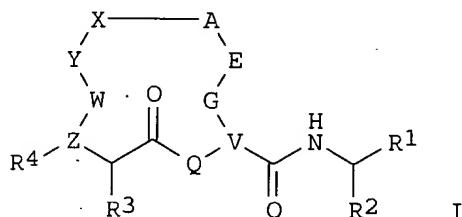
NO 2002005030 A 20021218 NO 2002-5030 20021018

PRAI US 2000-198204P P 20000419

WO 2001-US12530 W 20010417

OS MARPAT 135:344735

GI



AB **Macrocyclic** compds. I [E, X, Y may be independently present or absent, and if present may be (un)substituted (cyclo)alkyl, aryl, heteroalkyl, heteroaryl, ether, amino, sulfide, sulfone, amide, sulfonamide, urea, carbamate, hydrazide, carbonyl, etc.; R1 = acyl or boryl groups; Z = O, N, or CH; W = null, CO, CS, SO₂, C:NR (R = H, alkyl, cycloalkyl, aryl, etc.); Q = (NR)_p (p = 0-6), O, S, CH₂, CHR, CRR' (R' = any group given for R) or a double bond toward V; A = O, CH₂, (CHR)_p, (CHRCHR')_p, (CRR')_p, NR, S, SO₂, CO or a bond; G = (CH₂)_p, (CHR)_p,

(CRR')p, NR, O, S, SO₂, SO₂NH, CO or a bond towards E or V; R2, R3, R4 = H, (un)substituted (hetero)alkyl, -aryl or -cycloalkyl, alkoxy, aryloxy, alkylthio, arylthio, amino, amido, ester, carboxylic acid, carbamate, urea, ketone, aldehyde, cyano, nitro, etc.], including enantiomers and pharmaceutically acceptable salts, were prepd. as **hepatitis C virus** (HCV) protease inhibitors. Thus, peptide II was prepd. by a multistep procedure involving cyclization of intermediate cyclopentadiene-eta-6-ruthenium-4-chlorophenylpropionic acid-cyclohexylglycine-m-tyrosine-OMe. II showed Ki = 0.001-1.0.mu.M in the HCV protease assay. The invention also discloses pharmaceutical compns. comprising I as well as methods of using them to treat disorders assocd. with the HCV protease.

ST **macrocyclic peptide prepn NS3 serine protease**

inhibitor; hepatitis C treatment **macrocyclic peptide**

IT Hepatitis

(C; prepn. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus**)

IT .Peptides, preparation

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cyclic; prepn. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus**)

IT 371110-87-1P 371110-89-3P 371110-91-7P 371110-93-9P 371110-95-1P
 371110-97-3P 371110-99-5P 371111-01-2P 371111-03-4P 371111-08-9P
 371111-09-0P 371111-11-4P 371111-13-6P 371111-15-8P 371111-17-0P
 371111-19-2P 371111-23-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus**)

IT 371110-88-2P 371110-90-6P 371110-92-8P 371110-94-0P 371110-96-2P
 371110-98-4P 371111-00-1P 371111-02-3P 371111-04-5P 371111-05-6P
 371111-06-7P 371111-07-8P 371111-10-3P 371111-12-5P 371111-14-7P
 371111-16-9P 371111-18-1P 371111-20-5P 371111-21-6P 371111-22-7P
 371111-24-9P 371111-25-0P 371111-26-1P 371111-27-2P 371111-28-3P
 371111-29-4P 371111-30-7P 371111-31-8P 371111-32-9P 371111-33-0P
 371111-34-1P 371111-35-2P 371111-36-3P 371111-37-4P 371111-38-5P
 371111-39-6P 371111-40-9P 371112-25-3P 371112-26-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus**)

IT 149885-80-3

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(prepn. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus**)

IT 298-12-4, Glyoxylic acid 627-00-9, 4-Chlorobutyric acid 627-05-4,
 1-Nitrobutane 821-41-0, 5-Hexen-1-ol 867-13-0, Triethyl
 phosphonoacetate 1119-60-4, 6-Heptenoic acid 1745-17-1 2019-34-3
 3601-66-9 6282-88-8, Benzeneopropanol, 4-chloro- 7389-87-9
 30515-28-7, 7-Bromoheptanoic acid 34087-14-4 68090-88-0 80049-61-2

123053-23-6

RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus)

IT 3710-42-7P 14565-11-8P 55478-55-2P 75677-02-0P 161725-12-8P
 166196-05-0P 166196-06-1P 172035-28-8P 228404-10-2P 236393-88-7P
 367258-42-2P 367258-43-3P 367258-44-4P 367258-45-5P 367258-46-6P
 367258-47-7P 367258-48-8P 367258-49-9P 367259-26-5P 367259-52-7P
 367260-51-3P 368454-24-4P 368454-26-6P 371111-41-0P 371111-42-1P
 371111-43-2P 371111-44-3P 371111-45-4P 371111-46-5P 371111-47-6P
 371111-48-7P 371111-49-8P 371111-50-1P 371111-51-2P 371111-52-3P
 371111-53-4P 371111-54-5P 371111-55-6P 371111-56-7P 371111-57-8P
 371111-58-9P 371111-59-0P 371111-60-3P 371111-61-4P 371111-62-5P
 371111-63-6P 371111-64-7P 371111-65-8P 371111-66-9P 371111-67-0P
 371111-68-1P 371111-69-2P 371111-70-5P 371111-71-6P 371111-72-7P
 371111-73-8P 371111-74-9P 371111-75-0P 371111-76-1P 371111-77-2P
 371111-78-3P 371111-79-4P 371111-80-7P 371111-81-8P 371111-82-9P
 371111-83-0P 371111-84-1P 371111-85-2P 371111-86-3P 371111-87-4P
 371111-88-5P 371111-89-6P 371111-90-9P 371111-91-0P 371111-92-1P
 371111-93-2P 371111-94-3P 371111-95-4P 371111-96-5P 371111-97-6P
 371111-98-7P 371111-99-8P 371112-00-4P 371112-01-5P 371112-02-6P
 371112-03-7P 371112-04-8P 371112-05-9P 371112-07-1P 371112-08-2P
 371112-09-3P 371112-10-6P 371112-11-7P 371112-12-8P 371112-13-9P
 371112-14-0P 371112-15-1P 371112-16-2P 371112-17-3P 371112-18-4P
 371112-19-5P 371112-20-8P 371112-21-9P 371112-22-0P 371112-23-1P
 371112-24-2P 371241-12-2P 371241-14-4P 371241-18-8P 371241-24-6P
 371241-28-0P 371241-36-0P 371241-43-9P 371241-46-2P 371241-50-8P
 371241-54-2P 371755-64-5P 371755-65-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus)

IT 371112-06-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus)

L16 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:763001 CAPLUS
 DN 135:318715
 TI Preparation of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus
 comprising n-cyclic p2 moieties
 IN Chen, Kevin X.; Arasappan, Ashok; Venkatraman, Srikanth; Parekh, Tejal N.;
 Gu, Haining; Njoroge, F. George; Girijavallabhan, Viyyoor M.; Ganguly,
 Ashit; Saksena, Anil; Jao, Edwin; Yao, Nanhua H.; Prongay, Andrew J.;
 Madison, Vincent S.; Vibulbhan, Bancha
 PA Schering Corporation, USA
 SO PCT Int. Appl., 402 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C07D498-00
 CC 34-3 (Amino Acids, Peptides, and Proteins)
 Section cross-reference(s): 1, 63
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001077113 A2 20011018 WO 2001-US10869 20010403
 WO 2001077113 A3 20020620

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID,
 IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG,
 MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ,
 TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002107181 A1 20020808 US 2001-825399 20010403
 EP 1268525 A2 20030102 EP 2001-926601 20010403

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001009861 A 20030610 BR 2001-9861 20010403
 NO 2002004797 A 20021204 NO 2002-4797 20021004

PRAI US 2000-194607P P 20000405
 WO 2001-US10869 W 20010403

OS MARPAT 135:318715
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein X and Y = independently (cyclo)alkyl, heteroalkyl, (aryl)heteroaryl, alkyl(hetero)aryl, substituted ether, sulfide, sulfone, amide, sulfonamide, urea, carbamate, hydrazide, carbonyl, etc.; R1 = CHO, acyl, or (un)substituted carboxy, carbamoyl, boryl, etc.; Z = O, N, or CH, W = null or CO, CS, or SO2; Q = null or CH, N, P, (CH2)p, (CHR)p, (CRR')p, O, NR, S, or SO2; A = O, CH2, (CHR)p, (CHRCHR')p, (CRR')p, NR, S, SO2, or a bond; E = CH, N, CR, or a double bond toward A, L, or G; G = null or (CH2)p, (CHR)p, or (CRR')p; J = null or CH, CR, O, S, or NR; M = null or O, NR, S, SO2, "(CH2)p, (CHR)p, (CHRCHR')p, or (CRR')p; p = 0-6; R, R', R2, R3, and R4 = independently H, (cyclo)alkyl, alkenyl, heterocycloalkyl, alkoxy, aryloxy, alkylthio, arylthio, amino, amido, ester, carboxylic acid, carbamate, urea, ketone, CHO, CN, NO2, O, N, S, P, etc.] were prep'd. as hepatitis

C virus (HCV) protease inhibitors. For example, II (multi-step prepn. given) was cyclized, deesterified, and coupled with III.bul.HCl (prep. given) to give the macrocyclic hydroxyamide intermediate. Oxidn. using Des-Martin reagent followed by flash chromatog. afforded two diastereomers IV in 82% combined yield. The (S)-isomer inhibited NS3-serine protease HeLa/Huh7 co-transfected cells with a Ki of 2 .mu.M. The invention also discloses pharmaceutical compns. comprising I as well as methods of using them to treat disorders assocd. with the HCV protease.

ST macrocyclic peptide prepn NS3 serine protease inhibitor; peptide macrocycle prepn hepatitis C treatment

IT Hepatitis

(C, treatment; prepn. of macrocyclic NS3-serine protease inhibitors of hepatitis C virus comprising cyclic p2 moieties)

IT Peptides, preparation

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; prepn. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT Antiviral agents
(pharmaceutical compn. component; prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT Interferons
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compn. component; prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT Interferons
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(.alpha., pharmaceutical compn. component; prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT 36791-04-5, Ribavirin
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compn. component; prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT 367257-63-4P 367257-64-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT 367257-21-4P 367257-22-5P 367257-25-8P 367257-26-9P 367257-33-8P
367257-34-9P 367257-36-1P 367257-37-2P 367257-38-3P 367257-39-4P
367257-46-3P 367257-47-4P 367257-53-2P 367257-54-3P 367257-73-6P
367257-80-5P 367257-81-6P 367257-82-7P 367257-83-8P 367257-85-0P
367257-86-1P 367264-97-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT 367257-23-6P 367257-27-0P 367257-40-7P 367257-42-9P 367257-48-5P
367257-50-9P 367257-51-0P 367257-67-8P 367257-69-0P 367257-84-9P
367257-87-2P 367257-88-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepн. of **macrocyclic NS3-serine protease inhibitors of hepatitis C virus** comprising cyclic p2 moieties)

IT 367257-24-7P 367257-28-1P 367257-29-2P 367257-30-5P 367257-31-6P
367257-32-7P 367257-35-0P 367257-41-8P 367257-43-0P 367257-44-1P

367257-45-2P	367257-49-6P	367257-52-1P	367257-55-4P	367257-56-5P
367257-57-6P	367257-58-7P	367257-59-8P	367257-60-1P	367257-61-2P
367257-62-3P	367257-65-6P	367257-66-7P	367257-68-9P	367257-70-3P
367257-71-4P	367257-76-9P	367257-77-0P	367257-78-1P	367257-79-2P
367257-89-4P	367257-90-7P	367257-91-8P	367257-92-9P	367257-93-0P
367257-94-1P	367257-95-2P	367257-96-3P	367257-97-4P	367257-98-5P
367257-99-6P	367258-00-2P	367258-01-3P	367258-02-4P	367258-03-5P
367258-04-6P	367258-05-7P	367258-06-8P	367258-07-9P	367258-08-0P
367258-09-1P	367258-10-4P	367258-11-5P	367258-12-6P	367258-13-7P
367258-14-8P	367258-15-9P	367258-16-0P	367258-17-1P	367258-18-2P
367258-19-3P	367258-20-6P	367258-21-7P	367258-22-8P	367258-23-9P
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367258-29-5P	367258-30-8P	367258-31-9P	367258-32-0P	367258-33-1P
367258-34-2P	367258-35-3P	367258-36-4P	367258-37-5P	367258-38-6P
367258-39-7P	367258-40-0P	367258-41-1P	368871-07-2P	368871-08-3P
368871-09-4P	368871-10-7P			

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of **macrocyclic NS3-serine protease**

inhibitors of hepatitis C virus

comprising cyclic p2 moieties)

IT 149885-80-3, NS3 serine protease

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(prepn. of **macrocyclic NS3-serine protease**

inhibitors of hepatitis C virus

comprising cyclic p2 moieties)

IT 367259-40-3P 367259-41-4P 367259-42-5P 367259-43-6P 367259-44-7P

367259-45-8P 367259-46-9P 367259-47-0P 367259-48-1P 367259-49-2P

367259-50-5P 367259-51-6P

RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

(prepn. of **macrocyclic NS3-serine protease**

inhibitors of hepatitis C virus

comprising cyclic p2 moieties)

IT 98-58-8, 4-Bromobenzenesulfonyl chloride 98-61-3, Pipsyl chloride

99-06-9, 3-Hydroxybenzoic acid, reactions 107-87-9, 2-Pentanone

108-46-3, 1,3-Benzenediol, reactions 621-37-4 627-05-4, 1-Nitrobutane

1013-88-3, Diphenylketimine 1075-49-6, 4-Vinylbenzoic acid 1119-60-4,

6-Heptenoic acid 1484-26-0 2900-27-8 2905-24-0, 3-

Bromobenzenesulfonyl chloride 4248-19-5, tert-Butyl carbamate

4724-10-1 4799-68-2, 3-Benzyl oxypropanol 13726-69-7 19721-22-3,

3-Mercaptopropanol 19790-60-4, 3-Benzyl oxypropionaldehyde 27516-53-6,

Pentenoic acid 32462-30-9 33821-94-2 36805-97-7 39687-95-1, Methyl

isocyanoacetate 58558-53-5 64187-48-0 74844-93-2 77530-32-6

78183-55-8 102195-79-9 103262-83-5 109183-71-3 109183-72-4

121148-00-3 131721-90-9 161879-12-5 367260-42-2 367260-44-4

367260-47-7 367260-49-9 367260-51-3 367260-53-5 367260-55-7

367260-57-9 367260-62-6 367260-64-8 367260-67-1 367260-69-3

367260-71-7 367260-73-9 367260-76-2 367260-78-4 367260-80-8

367260-82-0 367260-87-5 367260-90-0 367260-94-4 367260-96-6

367260-99-9 367261-01-6 367261-07-2 367261-09-4 367261-12-9

367261-14-1 367261-20-9 367261-22-1 367261-24-3 367261-26-5

367261-28-7 367261-30-1 367261-32-3 367261-35-6 367261-38-9

367261-40-3 367261-44-7 367261-46-9 367261-48-1 367261-50-5

367261-51-6 367261-52-7 367261-54-9 367261-56-1 367261-58-3

367261-66-3 367261-69-6 367261-71-0 367261-73-2 367261-75-4

07/08/2003 16:25 Print selected from Online session

368454-24-4 368454-26-6 368871-37-8 368871-38-9 368871-39-0

368871-40-3 368871-41-4 368871-42-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus
comprising cyclic p2 moieties)

IT	69651-48-5P	74844-91-0P	84520-67-2P	84740-98-7P	88931-77-5P
	119927-71-8P	166196-05-0P	166196-06-1P	204398-85-6P	367258-42-2P
	367258-43-3P	367258-44-4P	367258-45-5P	367258-46-6P	367258-47-7P
	367258-48-8P	367258-49-9P	367258-50-2P	367258-51-3P	367258-52-4P
	367258-53-5P	367258-54-6P	367258-55-7P	367258-56-8P	367258-57-9P
	367258-58-0P	367258-59-1P	367258-60-4P	367258-61-5P	367258-62-6P
	367258-63-7P	367258-64-8P	367258-65-9P	367258-66-0P	367258-67-1P
	367258-69-3P	367258-70-6P	367258-72-8P	367258-73-9P	367258-75-1P
	367258-77-3P	367258-79-5P	367258-82-0P	367258-83-1P	367258-85-3P
	367258-86-4P	367258-87-5P	367258-88-6P	367258-89-7P	367258-92-2P
	367258-95-5P	367258-97-7P	367258-98-8P	367258-99-9P	367259-01-6P
	367259-02-7P	367259-03-8P	367259-04-9P	367259-05-0P	367259-06-1P
	367259-07-2P	367259-08-3P	367259-09-4P	367259-10-7P	367259-11-8P
	367259-12-9P	367259-13-0P	367259-14-1P	367259-15-2P	367259-16-3P
	367259-17-4P	367259-18-5P	367259-19-6P	367259-20-9P	367259-21-0P
	367259-22-1P	367259-23-2P	367259-24-3P	367259-25-4P	367259-26-5P
	367259-27-6P	367259-28-7P	367259-29-8P	367259-30-1P	367259-31-2P
	367259-32-3P	367259-33-4P	367259-34-5P	367259-35-6P	367259-36-7P
	367259-37-8P	367259-38-9P	367259-39-0P	367259-59-4P	368454-16-4P
	368454-18-6P	368454-20-0P	368454-22-2P	368871-11-8P	368871-12-9P
	368871-13-0P	368871-14-1P	368871-15-2P	368871-16-3P	368871-17-4P
	368871-18-5P	368871-19-6P	368871-20-9P	368871-21-0P	368871-23-2P
	368871-24-3P	368871-25-4P	368871-26-5P	368871-27-6P	368871-28-7P
	368871-29-8P	368871-30-1P	368871-31-2P		

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus
comprising cyclic p2 moieties)

IT	87691-27-8P	121147-97-5P	121148-05-8P	149507-31-3P	367259-52-7P
	367259-54-9P	367259-56-1P	367259-57-2P	367259-58-3P	367259-60-7P
	367259-61-8P	367259-62-9P	367259-63-0P	367259-64-1P	367259-65-2P
	367259-66-3P	367259-67-4P	367259-68-5P	367259-70-9P	367259-72-1P
	367259-74-3P	367259-76-5P	367259-79-8P	367259-81-2P	367259-85-6P
	367259-87-8P	367259-89-0P	367259-91-4P	367259-93-6P	367259-95-8P
	367259-97-0P	367259-99-2P	367260-01-3P	367260-04-6P	367260-06-8P
	367260-08-0P	367260-10-4P	367260-12-6P	367260-14-8P	367260-15-9P
	367260-17-1P	367260-19-3P	367260-22-8P	367260-24-0P	367260-27-3P
	367260-29-5P	367260-31-9P	367260-33-1P	367260-35-3P	367260-36-4P
	367260-38-6P	367261-83-4P	367264-98-0P	368871-32-3P	368871-33-4P
	368871-34-5P	368871-35-6P	368871-36-7P		

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of **macrocyclic NS3-serine protease**
inhibitors of hepatitis C virus
comprising cyclic p2 moieties)